

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: G3-2001-660-4

Luminaire Tested: **303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-4
Test Lab: INNOVATION CENTER (G3)
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 675.5 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U1 - G0

Input Watts (W): 8.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

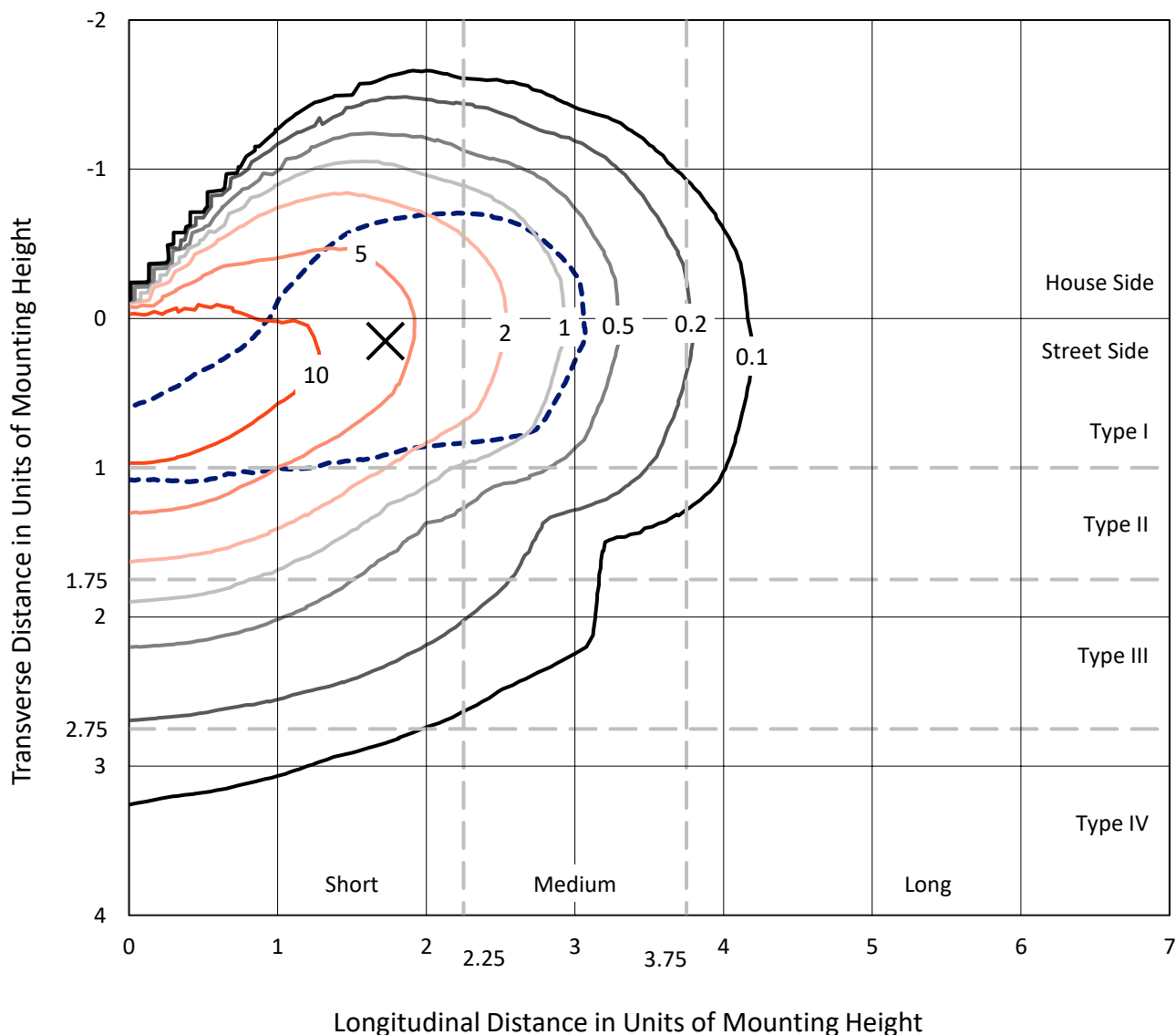


REPORT NUMBER: G3-2001-660-4

CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

Iso-Footcandle Lines of Horizontal Illumination

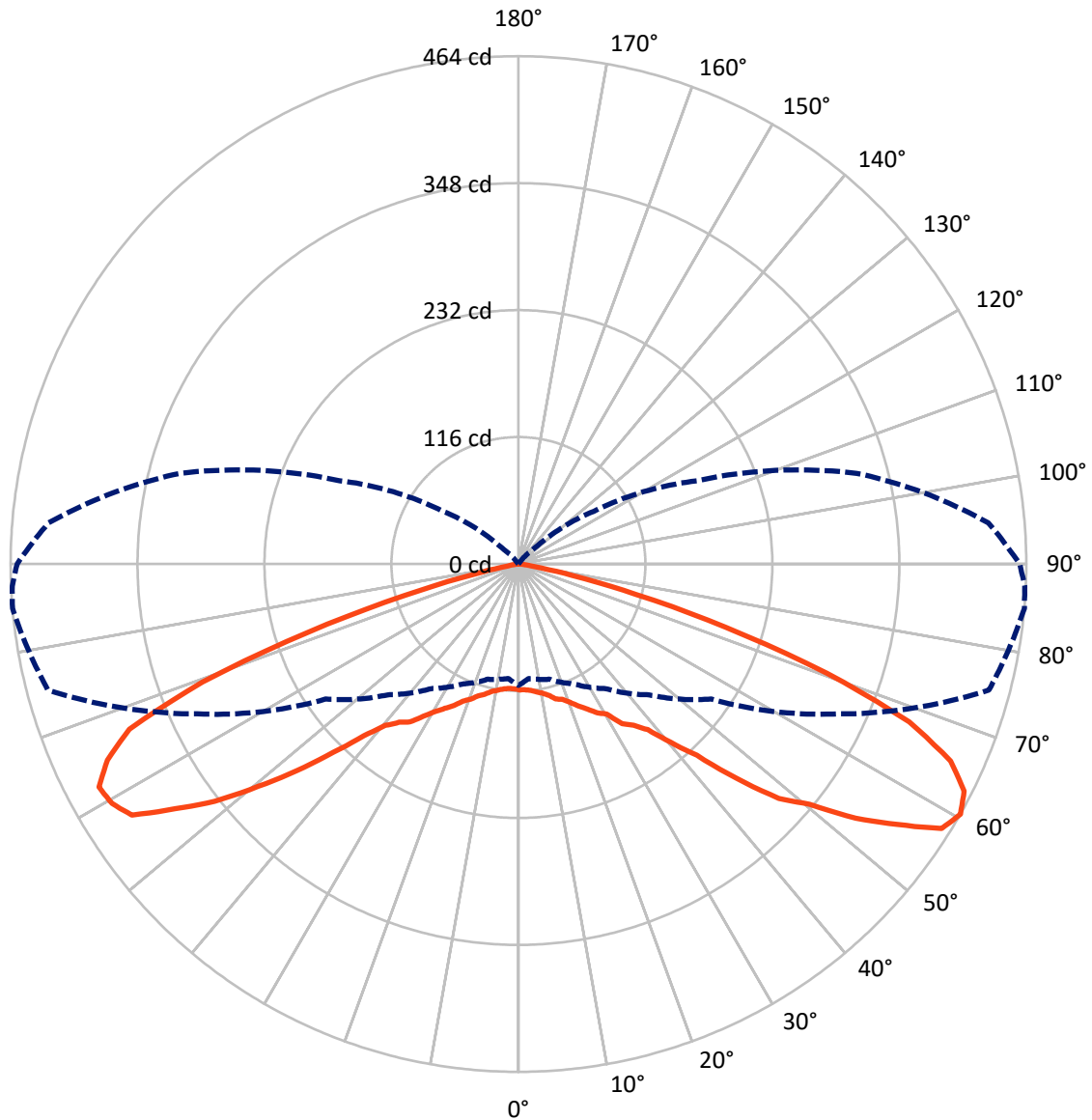
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 18.3 fc
 Type II - Short - N/A

REPORT NUMBER: G3-2001-660-4
CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: G3-2001-660-4

CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

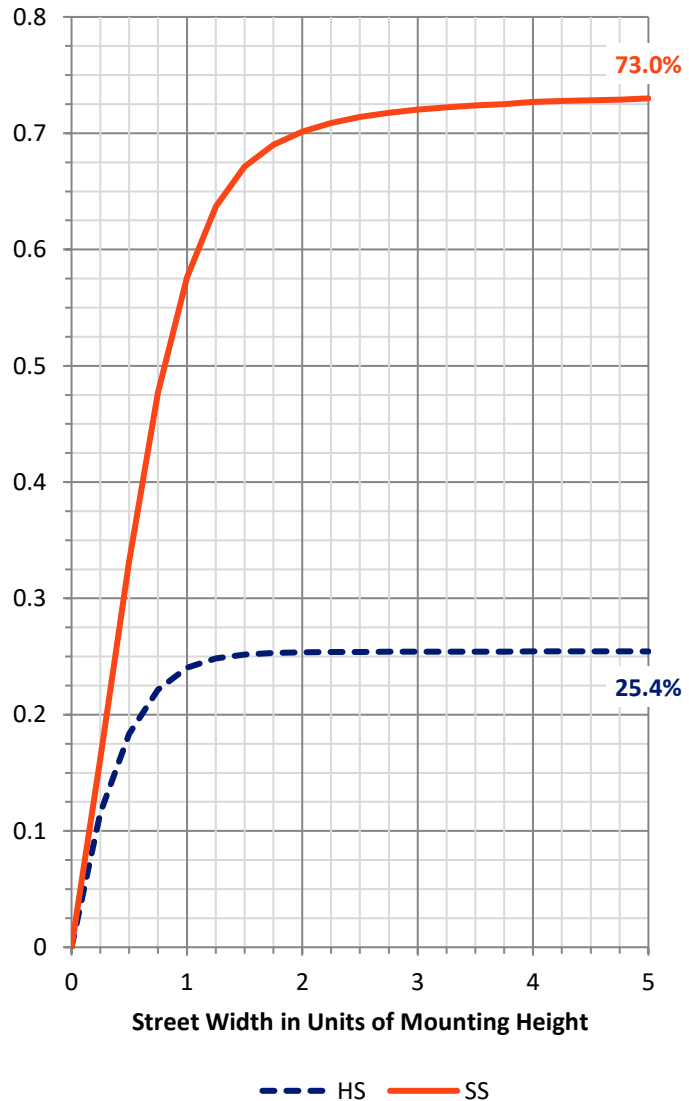
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	173.0	0.0	173.0
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	495.2	7.3	502.4
	% Fixture	73.3	1.1	74.4
Total	Lumens	668.2	7.3	675.5
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	1.4
10°-20°	28.2	4.2
20°-30°	54.7	8.1
30°-40°	92.5	13.7
40°-50°	133.7	19.8
50°-60°	167.6	24.8
60°-70°	132.4	19.6
70°-80°	43.4	6.4
80°-90°	6.3	0.9
90°-100°	2.9	0.4
100°-110°	2.0	0.3
110°-120°	1.2	0.2
120°-130°	0.7	0.1
130°-140°	0.3	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	668.2	98.9
0°-180°	675.5	100.0

Coefficient of Utilization



REPORT NUMBER: G3-2001-660-4

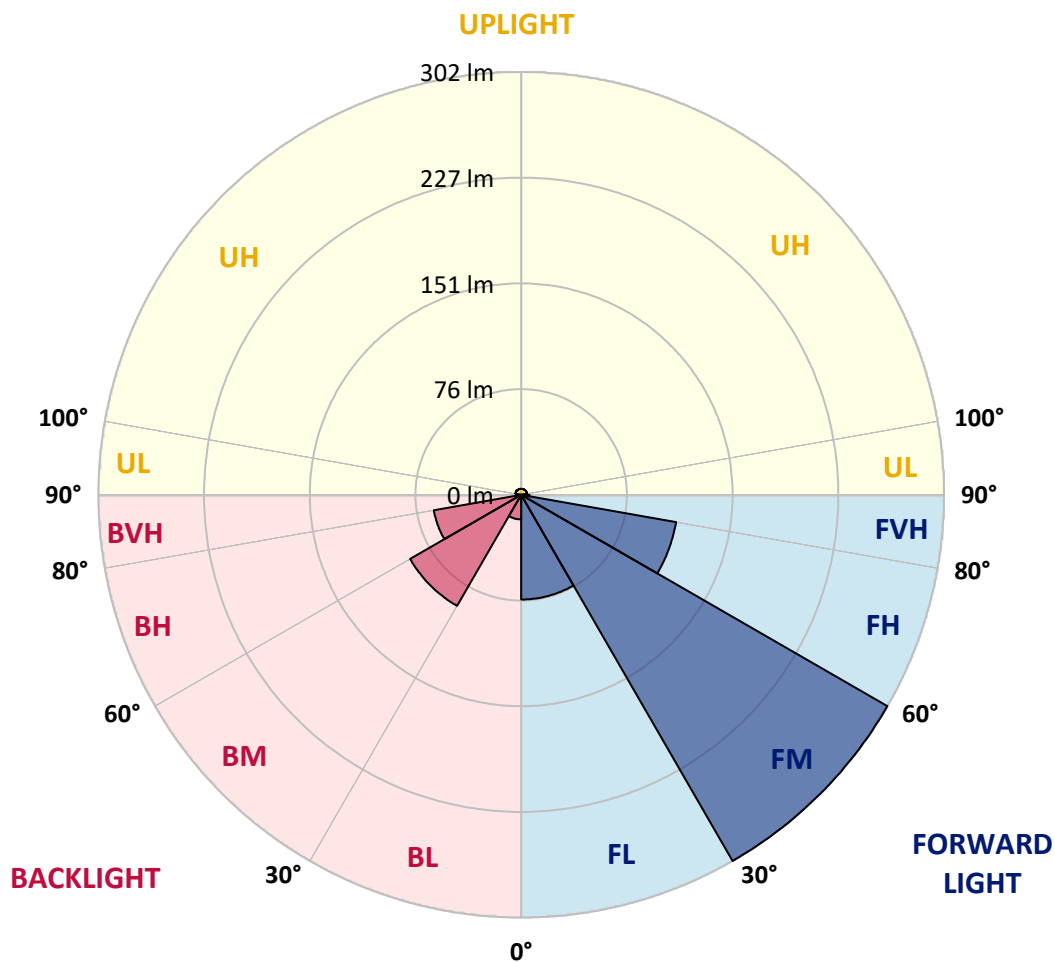
CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.8	11.1			
FM (30°-60°)	302.1	44.7			
FH (60°-80°)	112.4	16.6			G0/660
FVH (80°-90°)	5.8	0.9			G0/10
BL (0°-30°)	17.6	2.6	B0/110		
BM (30°-60°)	91.6	13.6	B0/220		
BH (60°-80°)	63.4	9.4	B0/110		G0/110
BVH (80°-90°)	0.5	0.1			G0/10
UL (90°-100°)	2.9	0.4		U1/10	
UH (100°-180°)	4.3	0.6		U1/10	

BUG Rating: B0-U1-G0

Type II Short





REPORT NUMBER: G3-2001-660-4

CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	115	115	115	115	115	115	115	115	115	115	115
2.5°	179	177	174	171	167	162	153	137	122	115	115
5°	172	175	178	181	184	179	171	154	138	116	115
7.5°	168	173	169	168	164	161	168	155	140	118	117
10°	171	173	174	172	172	164	154	155	140	120	118
12.5°	164	165	168	168	169	170	161	147	144	123	120
15°	166	168	165	168	166	167	167	146	144	128	122
17.5°	170	174	176	173	167	166	169	158	143	130	128
20°	186	186	187	185	182	173	169	165	146	135	134
22.5°	196	196	198	196	193	190	176	169	146	141	138
25°	208	208	210	211	204	201	191	177	160	147	145
27.5°	221	222	223	224	223	220	206	191	167	154	152
30°	233	232	239	238	238	233	224	205	179	159	160
32.5°	238	241	246	251	253	249	242	225	195	174	165
35°	246	243	255	259	257	262	258	240	212	181	178
37.5°	247	250	255	263	259	273	272	255	229	192	187
40°	248	249	256	261	271	280	287	272	253	214	202
42.5°	246	246	253	258	268	283	293	295	278	239	226
45°	241	244	245	251	263	284	300	311	307	279	263
47.5°	231	229	236	247	256	277	302	328	342	320	308
50°	217	219	223	233	239	266	301	343	375	345	339
52.5°	199	201	206	218	224	254	301	366	410	386	376
55°	178	166	178	192	205	230	289	367	438	420	414
57.5°	136	134	139	158	177	202	261	355	451	456	447
60°	111	105	109	121	139	169	215	324	445	464	463
62.5°	85	85	89	92	104	131	170	269	413	457	461
65°	67	66	69	73	79	89	120	212	371	434	440
67.5°	51	51	53	57	62	66	78	145	325	385	393
70°	41	40	41	46	55	60	60	93	258	299	316
72.5°	37	35	35	36	43	55	63	57	162	198	209
75°	29	27	28	29	33	39	56	37	90	111	116
77.5°	19	19	19	19	21	25	41	34	52	50	48
80°	15	15	15	15	14	16	22	37	35	14	11
82.5°	13	13	13	12	12	11	13	26	22	7	6
85°	11	11	11	11	10	9	8	10	7	3	2
87.5°	10	10	10	9	9	7	6	4	3	1	1
90°	10	9	9	9	8	7	5	4	2	1	0
92.5°	9	9	9	8	8	6	5	4	2	0	0
95°	9	9	8	8	7	6	5	3	2	0	0
97.5°	8	8	8	8	7	6	5	3	2	0	0
100°	7	7	7	7	6	5	4	3	2	0	0
102.5°	7	7	7	6	6	5	4	3	1	0	0
105°	6	6	6	6	5	4	3	2	1	0	0
107.5°	5	5	5	5	5	4	3	2	1	0	0
110°	5	5	5	5	4	3	3	2	1	0	0



REPORT NUMBER: G3-2001-660-4
 CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	4	4	4	4	4	3	2	2	1	0	0
115°	4	4	4	3	3	3	2	2	1	0	0
117.5°	3	3	3	3	3	2	2	1	1	0	0
120°	3	3	3	3	3	2	2	1	1	0	0
122.5°	2	2	2	2	2	2	2	1	1	0	0
125°	2	2	2	2	2	2	1	1	1	0	0
127.5°	2	2	2	2	2	1	1	1	1	0	0
130°	1	1	2	2	2	1	1	1	1	0	0
132.5°	1	1	1	1	1	1	1	1	0	0	0
135°	1	1	1	1	1	1	1	1	0	0	0
137.5°	1	1	1	1	1	1	1	1	0	0	0
140°	1	1	1	1	1	1	1	0	0	0	0
142.5°	0	0	1	1	1	1	1	0	0	0	0
145°	0	0	0	1	1	1	0	0	0	0	0
147.5°	0	0	0	0	1	1	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G3-2001-660-4

CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115	115	115	115	115	115	115	115	115	115	115
2.5°	114	114	113	106	68	53	49	46	44	39	39
5°	111	114	98	65	40	16	1	0	0	0	0
7.5°	114	115	91	62	36	15	1	0	0	0	0
10°	118	117	93	63	38	15	1	0	0	0	0
12.5°	118	119	94	63	41	15	1	0	0	0	0
15°	124	123	96	64	42	15	1	0	0	0	0
17.5°	128	126	99	66	42	15	1	0	0	0	0
20°	132	131	98	69	43	16	1	0	0	0	0
22.5°	138	135	104	71	45	16	1	0	0	0	0
25°	143	142	106	74	44	17	1	0	0	0	0
27.5°	147	148	116	78	52	18	0	0	0	0	0
30°	157	155	123	82	55	19	0	0	0	0	0
32.5°	165	164	129	88	59	20	0	0	0	0	0
35°	176	175	138	93	63	20	0	0	0	0	0
37.5°	184	181	145	100	67	22	0	0	0	0	0
40°	198	191	152	104	60	12	0	0	0	0	0
42.5°	221	211	162	110	73	23	0	0	0	0	0
45°	249	241	176	116	65	24	0	0	0	0	0
47.5°	288	277	195	121	77	24	0	0	0	0	0
50°	331	313	225	130	81	23	0	0	0	0	0
52.5°	370	352	259	148	85	22	0	0	0	0	0
55°	404	385	293	162	86	21	0	0	0	0	0
57.5°	434	421	319	183	88	19	0	0	0	0	0
60°	458	431	320	180	84	18	0	0	0	0	0
62.5°	460	434	312	166	74	15	0	0	0	0	0
65°	430	416	293	140	58	11	0	0	0	0	0
67.5°	396	386	262	110	41	8	0	0	0	0	0
70°	317	308	209	77	24	4	0	0	0	0	0
72.5°	204	202	131	44	11	2	0	0	0	0	0
75°	112	108	60	19	5	1	0	0	0	0	0
77.5°	42	39	21	8	3	1	0	0	0	0	0
80°	11	10	8	5	2	1	0	0	0	0	0
82.5°	5	5	4	3	1	0	0	0	0	0	0
85°	2	2	1	1	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)